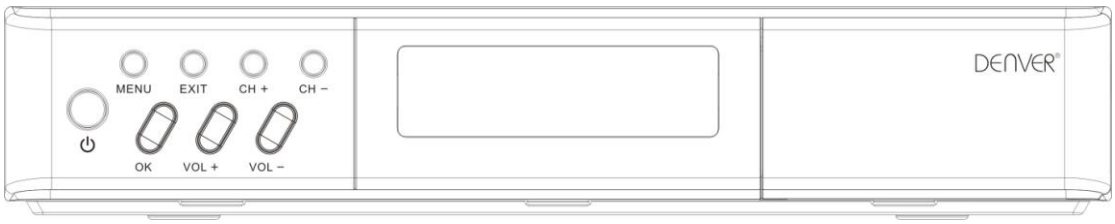
HD Digital Cable Receiver

DVBC-123CI



User's Manual

Keep this manual for future reference

www.facebook.com/denverelectronics

General Safety

This STB has been manufactured to meet international safety standards. Please read the following safety precautions carefully before you operate the STB.

MAIN SUPPLY Use only 100-240V AC 50/60Hz.

CABLE Use standard certified cables to prevent any malfunction of the STB.

LOCATION Locate the STB indoor. Locate STB away from potential hazards such as houseplants, lightning and direct sunlight.

CLEANING 1. Always disconnect the STB power cord from the wall socket before cleaning it.
2. Use soft damp cloth (no solvents) to dust the STB.

OVERLOADING Do not overload wall outlets, extension cords or adapters. These can cause fire or electrical shock.

VENTILATION 1. NEVER block ventilation slots of STB.
2. NEVER place the STB on soft furnishings or carpets.
3. Ensure that a free airflow is maintained around the STB.
4. Do not use or store the STB where it is exposed to direct sunlight or near a heater.
5. NEVER stack other electronic equipment on top of the STB.

LIQUIDS Keep liquids away from the STB.

SMALL OBJECTS Coins or other small objects must be kept away from the STB.
They can fall through ventilation slots of the STB and cause serious damage.

ATTACHMENTS Do not use any attachments that are not recommended. These may cause hazards or damage the equipment.

CONNECTION Before connecting or disconnecting the cable from the antenna to the STB, disconnect the STB from the mains supply. Failure to do so can damage the TUNER.

EARTHING The cable must be earthed to the system earth for the aerials.
The earthing system must comply with SABS061.

LIGHTNING 1. The STB must remain connected at all times to the main power supply.
2. However, manufacture's instructions for safeguarding other equipment connected to STB, TV set, etc., must be followed during lightning storms.
3. Ensure lightning protection devices for the terrestrial antenna, mains and Tuner are installed.

REPAIRING 1. Do not attempt to repair this product by yourself.
2. Refer all repairing to qualified service representatives.

Packing Accessory List

Please check that whether all of following items are included in the package

- **DVBC-123CI**
- **Remote Control Unit**
- **Two AAA Size Batteries(for remote control)**
- **Facebook Leaflet**
- **User's manual**

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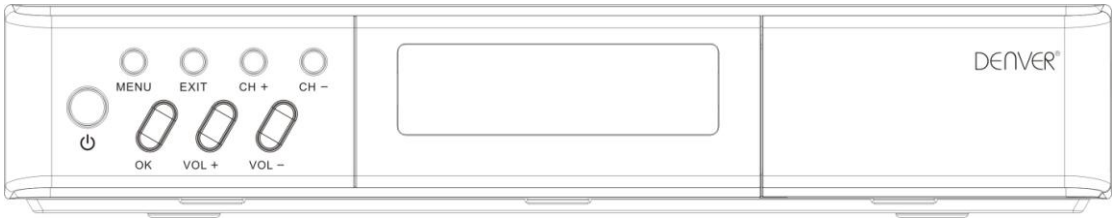
Front Panel



1. MENU
To display the main menu on the screen.

2. CH + / CH-
To change channels up / down.
To move up or down highlight bar cursor for selecting options on the menu.

3. VOL + / VOL-
To increase or decrease the volume levels.

4. ⏻
Power on / off switch.

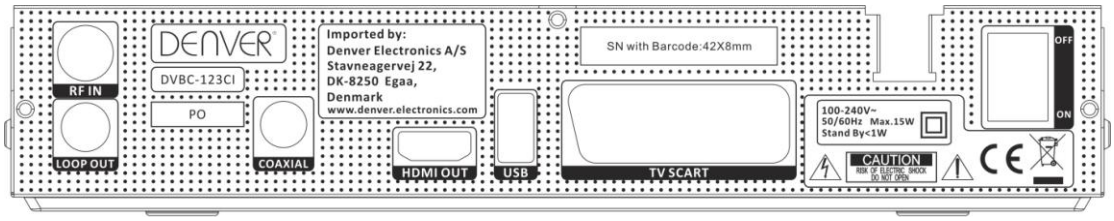
5. LED INDICATOR
Indicate STB working status.

6. EXIT
To return to the previous menu or screen.

8. OK
To confirm the menu you chose or enter the item you selected.

8. CI slot
Common Interface for cam module and smart card for a TV operator.

Rear Panel



1.RF IN
Connect with the cable.

2.LOOP OUT
It is for connection of another STB to your STB.

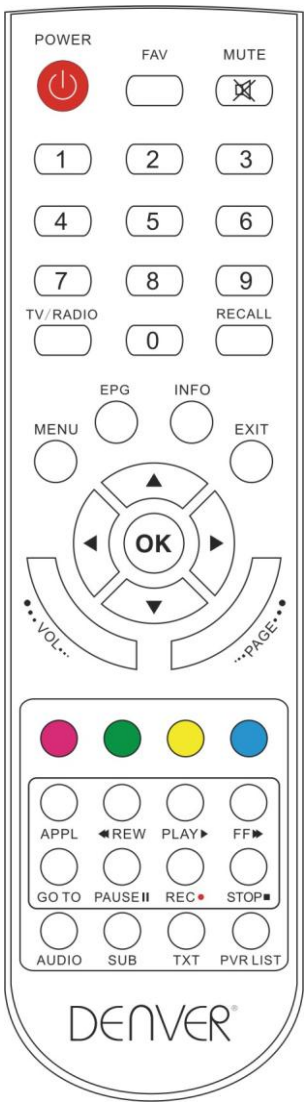
3.COAXIAL
SPDIF output port (Coaxial type).

4. TV SCART
Connect this port to that of TV via SCART cable.

5.USB
For software upgrade and media play function.

6.HDMI
Connect this port to TV via HDMI cable.

Remote Control Unit



POWER
Turns your STB on/off(standby).

FAV
Shows favorite channels list.

MUTE
Turns on/off the sound temporarily.

NUMERIC BUTTONS
Selects a channel or inputs numerical value into an input box of a menu item.

TV/RADIO
Switchs between TV program and RADIO only receiving mode.

RECALL
Plays previous service.

MENU
Displays the main menu on the screen.

EPG
Displays the EPG. (Electronic Program Guide).

INFO
Displays additional channel information.

EXIT
Exits the current Menu or returns to the previous Menu.

↑/↓
Changes channels up / down.
Moves up or down highlight bar cursor for selecting options on the menus.

←/→
Navigates through the Menus. Increases or decreases volume.

OK.
Confirms an entry or selection. Displays the list of channels.

VOL_UP/VOL_DOWN
Increase or Decrease volume levels.

PAGE_UP/PAGE_DOWN
Turns page forward or backward.

Red button
In picture viewing mode, press to zoom in picture.
In Teletext mode, it is the teletext colour button.

Green button
In DTV mode, press to toggle through different Resolution options.
In Music playback mode, press to toggle through different repeat settings.
In Teletext mode, it is the teletext colour button.

Yellow button
In DTV mode, press to change to different Aspect Ratios.
In Teletext mode, it is the teletext colour button.

Blue button
In Teletext mode, it is the teletext colour button.

APPL
Displays the Multimedia menu.

GOTO
Sets the play time during media play.

PLAY
Plays a media file.

REC
Begins to record the program.

STOP
Stops media play.

FF
Fast forword, to move forward during media play.

REW
Rewind, to review a portion during media play.

AUDIO
Selects an Audio Language.

SUB
Selects the subtitle / teletext Language list for the current Channel.

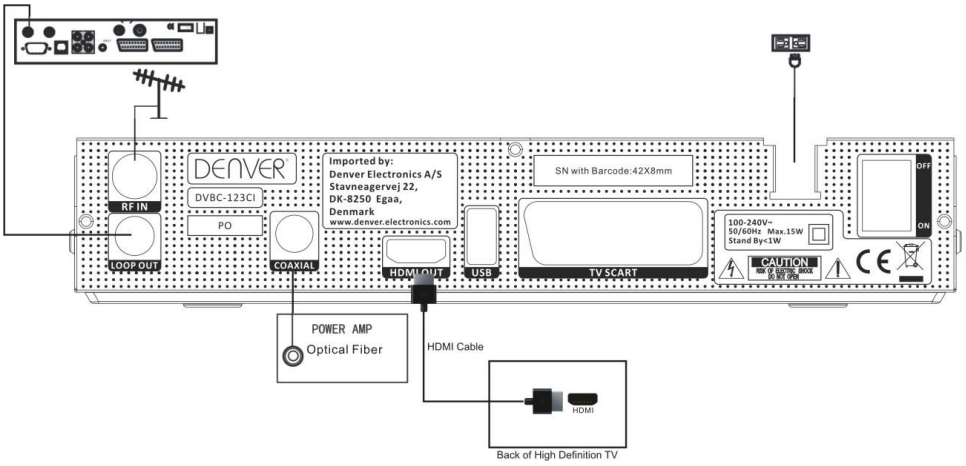
TXT
Displays Teletext Information.

PVR LIST
Go to PVR menu directly.

STB Connection

How to connect your STB to various systems

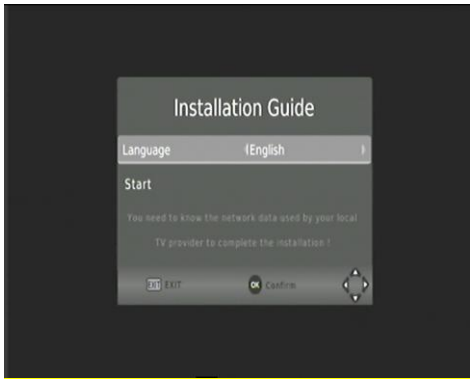
There are several ways of connecting the STB to your TV, VCR and/or Hi-Fi SYSTEM. Consult your local supplier for assistance in setting-up your system best suited to your requirements.



1. **Connect STB to a TV set**
   You can connect your STB to a TV set with HDMI cable(HDMI jack) or SCART cable(TV jack),if your TV set is so equipped.
2. **Connect STB to a HI-Fi System**
   Connect a coaxial cable from the Coaxial jacks on your STB to your Hi-Fi System.
3. **Loop Through**
   If you have another analogue or digital STB and you wish to use the same LNB, then you can connect it via the loop through. Connect one end of coaxial cable to the LOOP OUT on the STB and connect the other end to the RF IN on your second STB.

Installation

After all connections have been made properly, switch on TV and make sure the unit is connected to the Main Power. Press Power button to switch on. If you are using the unit for the first time or have restored the unit to Factory Default, Installation Guide Menu the will appear on your TV screen.



Basic Operation

Information

Press the INFO button to show the information of the channel which you are watching now.

Press the INFO button twice continuously to show more information of the channel which you are watching now.

Change Channels

To change channel, you have the following options:

- Press the numeric buttons 0~9 on the Remote Control Unit.
- Press ↑/↓buttons.

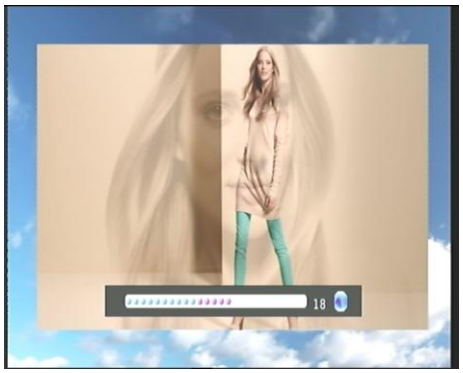
To select the previous channel, press RECALL button.

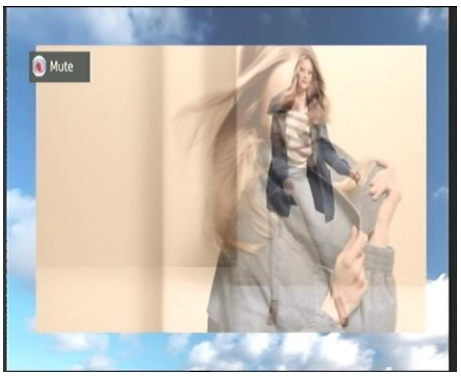
Volume Control /Mute

To adjust the volume level, press VOL Up/Down button or ←/→button.

To temporarily cut off the sound, press Mute button.

To cancel mute, press Mute button again or VOL Up/Down button.





Audio

While live playing or recorded playing, press the **AUDIO** button to show the Audio Language menu. Then press the ↑/↓buttons to select which language audio you want to play if have any. Press the ←/→button to switch audio trace of current audio language.

Subtitle

While live playing or recorded playing, press the **SUB** button to show the Subtitle Language menu. Then press the ↑/↓buttons to select which language subtitle you want to play if have any. If you want to stop subtitle playing, select the [Off] option.

Teletext

While live playing or recorded playing, press the **TXT** button to play the current Teletext if have any.

P100 DR S100 tir 05 feb 10:17:29
PUBLIKUM OG MEDVIRKENDE 700
DR
TV-prg. om sex: par söges 713
Dansk ambassade beroliger tyskere 125
Svärere at tjekke socialt bedrageri 118
Fem-årig dreng er befriet i Alabama 175
Olsen: Målmandskampen er åben 205
Jannik Hansen på tavlen i NHL 204
DR1
10:14 Olivers tvist 101
10:38 Olivers tvist 102
DR2
09:50 Den 25. time 103
10:36 Den 25. time 104
110 NYHEDER 300 TV 106 INDHOLD
200 SPORT 600 RADIO 265 SPIL
FA DIN BOLIG SOLGT 712
724 725 726 727

Record

While live playing, press the REC button will start to record the current program. While recording, pressing the INFO button will show the record information. To hide the record information, press the Exit button.

To stop recording, press the STOP button.

Note: Before recording, make sure the USB devices insert into your STB correctly.

Record/View Timer

You can configure a record/view timer following those steps below:

(a) While live playing, press the EPG button to enter the Program Guide menu. Then press the UP/DOWN button to select a movie in the program schedule list and press the OK button. Timer Configuration menu will show.

(b) In the Timer Configuration menu, configure timing record parameters. If you want to record the movie during the time you set, set the [Mode] to [Record]. After all the parameters are already set, press the OK button to confirm it, then the STB will memorize the new timer.

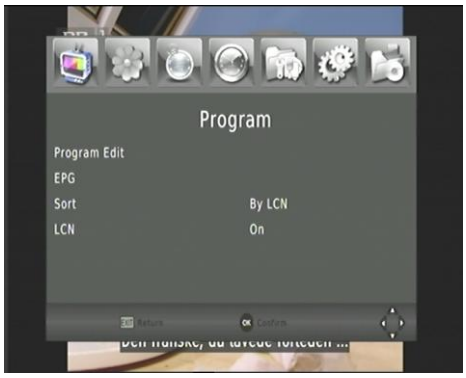
(c) All the timers will list in the Timer List menu. You can Add/Edit/Delete a timer in the Timer List menu

Schedule
Event Program Date Time Repeat Status
01 TV 2 | Danmark HD (05/02 11:00-11:10 Once
02 TV 2 | Danmark HD (05/02 11:10-11:30 Once
03 DR 1 05/02 12:00-12:10 Once

Menu Guide

(1). Program Manage Settings

To access the Menu, press the MENU button and select [Program], using the RIGHT/LEFT button to navigate through the menu. The Menu provides options to adjust the Program Manage Settings. Select an option and press OK or RIGHT to adjust that setting. Press the EXIT button to exit the Menu.



(a) Program Edit

To edit your program preferences (lock, skip, favorite, move or delete), you will need to enter the Program Edit Menu. This Menu requires a password to access. Enter the default password '000000'. The master unlock password is '888888'

Set Favourite Channels

You can create a shortlist of favourite programs that you can easily access.

Set Favourite TV or Radio program:

1. Select your desired channel then press the FAV button.
   A heart-shaped symbol will appear and the channel is marked as a favourite.
2. Repeat the previous step to select more Favourite channels
3. To confirm and exit the Menu, press the EXIT button.

Disable Favourite TV or Radio Channel :

Select the Favorite channel and press FAV button on the remote control to cancel.

View Favourite Channel

1. While in normal viewing mode, press FAV button and the Favourite Menu will appear.
2. Press UP/DOWN to browse through your Favourite Channels.
3. Press OK to select your favourite channel.

Delete a TV or Radio Program

1. Select the Program and then press the BLUE button.
   A warning message will appear. Press OK to delete the channel.
2. Repeat the previous step to select more channels to delete.

Skip TV or Radio Channel

1. Select the channel you would like to skip and press the GREEN button.
   A skip symbol is displayed. The channel is marked as a skip.
2. Repeat the previous step to skip more channels.
3. To save your settings and exit the menu, press EXIT button.

Disable the Skip Channel function

Select the Skip channel and press the GREEN button on the remote control to cancel.

Move a TV or Radio Program

1. Select the preferred channel then press the RED button. A move symbol will appear.
2. Press UP/DOWN to move the channel.
3. Press OK to confirm.
4. Repeat the above steps to move more channels.

Lock Program

You can lock selected programs for restricted viewing.

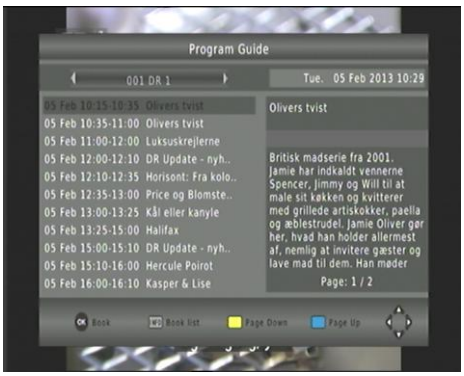
Lock a TV or Radio channel:

1. Select the preferred channel then press the YELLOW button. A lock-shape symbol is displayed. The channel is now marked as locked.
2. Repeat the previous step to select more channels.
3. To confirm your settings and exit the menu, press the EXIT button.

4. Press the YELLOW button to disable the locked channels function
5. To view the locked channels, you will be required to enter either the default password '000000' or your last set password. The master unlock password is '888888'.

(b) EPG (Electronic program guide)

The EPG is an on-screen TV guide that shows scheduled programs seven days in advance for every tuned channel. Press the EPG button on the Remote Control to access the guide.


Program Guide
001 DR 1
Tue. 05 Feb 2013 10:29
05 Feb 10:35-10:35 Olivers tvist
05 Feb 10:35-11:00 Olivers tvist
05 Feb 11:00-12:00 Luksuskrejlerne
05 Feb 12:00-12:10 DR Update - nyh..
05 Feb 12:10-12:35 Horisont: Fra kolo..
05 Feb 12:35-13:00 Price og Blomste..
05 Feb 13:00-13:25 Kål eller kanyle
05 Feb 13:25-15:00 Halifax
05 Feb 15:00-15:10 DR Update - nyh..
05 Feb 15:10-16:00 Hercule Poirot
05 Feb 16:00-16:10 Kasper & Lise
Olivers tvist
Britisk madserie fra 2001. Jamie har indkaldt vennerne Spencer, Jimmy og Will til at male sit køkken og kvitterer med grillede artiskokker, paella og æblestrudel. Jamie Oliver gør her, hvad han holder allermest af, nemlig at invitere gæster og lave mad til dem. Han møder
Page: 1 / 2
OK Book
INFO Book list
Page Down
Page Up

You can use the UP/DOWN key to select the preferred program. If there is more than one page of information, use the BLUE button for page up and the YELLOW button for page down.

(c) Sort

Sort your channels from the following options:
[By LCN] - Sort the channels in ascending order.
[By Service Name] - Sort the channels in alphabetical order.
[By Service ID] - Sort the channels according to the station.
[By ONID] - Sort the channels according to ONID.

(d) LCN (Logical channel number)

Set LCN on or off.

(2). Picture Setting

To access the Menu, press MENU then select [Picture], using the RIGHT/LEFT button. The Menu provides options to adjust the video settings. Press UP/DOWN to select an option and press RIGHT/LEFT to adjust that setting. Press EXIT to exit the menu.

(a) Aspect Ratio

You can change the aspect ratio of the output picture in here.

(b) Resolution

You can change this setting if the picture resolution does not appear to be correct. This setting is to match the most common setting for HDMI.

[576i]: for PAL TV system .

[576P]: for PAL TV system .

[720P]: for NTSC or PAL TV system .

[1080I]: for NTSC or PAL TV system .

(c) TV Format

If the picture does not appear to be correct you can change this setting. This should match the most common setting for TVs in your country.

[NTSC]: for NTSC system TV.

[PAL]: for PAL system TV.

(d)Video Output

You can change the SCART output format as RGB/CVBS in here.

(3). Channel Search

To access the menu, press MENU select [Search Channel] using the RIGHT/LEFT buttons.

This menu provides options to adjust the Search Channel settings.

Press UP/DOWN to select an option and press RIGHT/LEFT to adjust the setting.

Press EXIT button to exit the Menu.

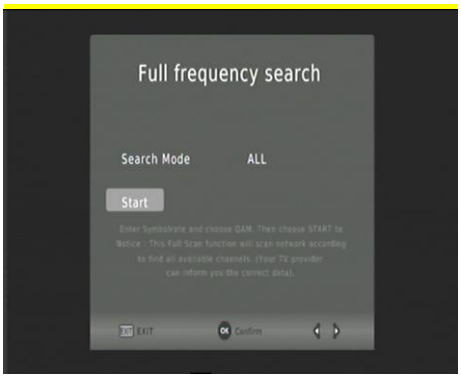
(a)Network Search

Select [Network Search] then press OK or RIGHT. The channel search screen will appear.

1. Press the RIGHT/LEFT button to select the provider in [Provider] option.
2. If [Provider] is [Other], need to set the parameters of the homing channel.
   - Input the frequency into [Frequency (MHz)] box using the numeric buttons.
   - Input the symbol rate into [Symbol] box using the numeric buttons
   - Press the RIGHT/LEFT key to select the QAM mode in [QAM] option.
3. Press the RIGHT/LEFT key to select the search mode in [Search mode] option. If [Search mode] is [FTA], it only searches and stores the free channels. If [Search mode] is [All], it searches and stores all the channels, including the encrypted channels.
4. Input the network number into [Network ID] box using the numeric buttons.
5. Press OK to start searching channels.

(b)Full Band Scan

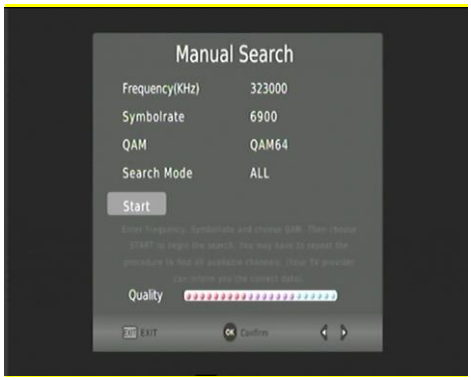
1. Select [Full Band Scan] then press OK or RIGHT. The channel search screen will appear.
2. Input the symbol rate into [Symbol] box using the numeric buttons.
3. Press the RIGHT/LEFT key to select the QAM mode in [QAM] option.
4. Press the RIGHT/LEFT key to select the search mode in [Search mode] option. If [Search mode] is [FTA], it only searches and stores the free channels. If [Search mode] is [All], it searches and stores all the channels, including the encrypted channels.
5. Press OK to start searching channels.



(c)Manual Search

1. Select [Manual Search] then press OK or RIGHT. The channel search screen will appear.
2. Input the frequency into [Frequency (MHz)] box using the numeric buttons.
3. Input the symbol rate into [Symbol] box using the numeric buttons
4. Press the RIGHT/LEFT key to select the QAM mode in [QAM] option.
5. Press the RIGHT/LEFT key to select the search mode in [Search mode] option. If [Search mode] is [FTA], it only searches and stores the free channels. If [Search mode] is [All], it searches and stores all the channels, including the encrypted channels.
6. Press OK to start searching channels.

If a channel is found, it is saved and added to the channels list. If channels can not be found during searching, the unit will exit automatically.



(4).Time setting

To access the Menu, press MENU select [Time] using the RIGHT/LEFT buttons. The Menu provides options to adjust the time settings. Press UP/DOWN to select an option and press RIGHT/LEFT to adjust the settings. Press EXIT to exit the menu.

(a) Time offset

Set the time offset mode.

[Auto] The STB get the time offset from the transport stream.

[Manual] The time offset depends on the [Time Zone] option.

(b) Time Zone

Select the Time Zone Offset when [Time Offset] is set to Manual.

(b) Sleep

Set how long the STB doesn't have any menu operation, the STB will go to standby automatically.

Auto-standby will be disabling if [Sleep] sets to [Off].

(5). Option

To access the Menu, press MENU select [Option] using the RIGHT/LEFT buttons. The menu provides options to adjust the OSD Language, Subtitle Language, Audio Language and Digital Audio.

Select an option and press RIGHT/LEFT button to adjust the setting.

Press EXIT to exit the menu.

(a) OSD (On Screen Display) Language

Select an OSD language.

(b) Subtitle Language

Select the preferred subtitle language, or select OFF to disable the subtitle by default.

(c) Audio Language

Select the preferred audio language for watching TV channels.

If the language is not available, the default program language will be used.

(d) Digital Audio

Select digital audio output mode.

(6). System Setting

To access the Menu, press MENU select [System] using the RIGHT/LEFT buttons. The menu provides options to adjust the system settings. Press the UP/DOWN button to select an option and press RIGHT/LEFT button to adjust the setting. Press EXIT to exit the menu .

(a)Parental Guidance

To set the age limit of playing, you will need to enter the Parental Guidance menu. This Menu requires a password to access. Enter the default password '000000'. The master unlock password is '888888'

(b) Set Password

Set or change the password for locked programs. Enter your old password or the default password '000000'. You will then be asked to enter your new password. Press OK button to confirm your new password.

Once it is confirmed, press EXIT to exit the Menu. The master unlock password is '888888' .

(c) Restore Factory Default

Reset your Set Top Box to the Default Factory Settings.

In Main Menu select [Restore Factory Default] using the RIGHT/LEFT buttons and press OK or RIGHT to select. Enter your password or the default password '000000' and press OK to confirm. This option will delete all preset channels and settings. The master unlock password is '888888'.

(d)Information

View model, hardware and software information.

(7). Disc

To access the Menu, press the MENU button and select [Disc] using the RIGHT/LEFT buttons. The menu provides options to playback Music, Photo, video and record files. It can support AVI, MP3, WMA, JPEG and BMP formats.

(a) Disc: When a USB device is attached you can select from the Music, Photo, Movie and PVR options in this menu using the RIGHT/LEFT keys and OK to select. If a USB device is not connected, the warning message "No USB device is Found" will appear.

(b) Photo Configure:
-Slide Time: adjust slide show interval to 1~8 seconds.
-Slide Mode: adjust slide show effect as mode 0~59 or random.
-Aspect Ratio:
[Keep]: Play picture in its original aspect.
[Discard]: Play picture in full screen mode.

(c) Movie Configure:
- Aspect Ratio:
[Keep]: Play movie in its original aspect.
[Discard]: Play movie in full screen mode.
- Subtitle Specific:
[Small]: Displays the subtitle as small mode.
[Normal]: Displays the subtitle as normal mode.
[Big]: Displays the subtitle as big mode.
- Subtitle BG:
[White]: Displays the subtitle in white background.
[Transparent]: Displays the subtitle in transparent background.
[Grey]: Displays the subtitle in grey background.
[Yellowgreen]: Displays the subtitle in yellow-green background.
- Subtitle Font Color:
[Red]: Displays Subtitle in red font.
[Blue]: Displays Subtitle in blue font.
[Green]: Displays Subtitle in green font.

(d)PVR Configure

-Record Device: To select which disk the program is recorded into.

-Format: To format a disk.

Note: All the data in the disk is removed after doing the format operation.

Disc

To access the Multimedia menu, you have two ways.

(a)Press the MENU button and select [Disc] using the RIGHT/LEFT buttons. Then press OK button to enter USB menu and select [Multimedia] using the UP/DOWN buttons. Then press OK button to enter the Multimedia menu.

(b)Press the APPL button to enter the Disc menu quickly.

If a USB device is not connected, the warning message "No USB device is Found" will appear.

Press RIGHT/LEFT buttons to select which multimedia you want to play. And press OK button to the select menu.

[**Music**] Go to play the MP3/WMA music's.

[**Photo**] Go to play the JPEG/BMP photos.

[**Movie**] Go to play the AVI/TS movies.

[**PVR**] Go to play the recordings.

(1) Music Player

Press the RIGHT/LEFT buttons to select a MP3/WMA file. Press OK button to play the file or enter the folder. Press RECALL button to upon the parental folder.

(2) Photo Player

(a)Press the RIGHT/LEFT buttons to select a JEPG/BMP file. Press OK button to play the file or enter the folder. Press RECALL button to upon the parental folder.

(b)Press PLAY button to slide show.

(c)Press the GOTO button to grid show.

(3) Movie Player

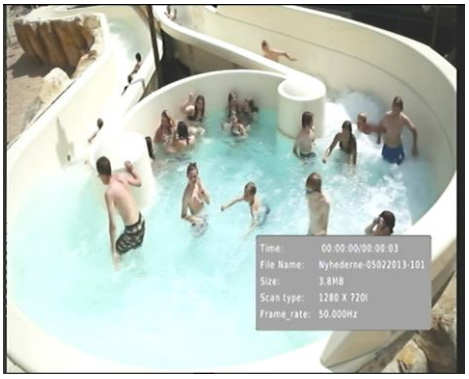
(a)Press the RIGHT/LEFT buttons to select an AVI/TS file. Press OK button to play the file or enter the folder. Press RECALL button to upon the parental folder.

(b)Press red button to switch preview playing and full screen playing.

(4) PVR Player

(a) Press the RIGHT/LEFT buttons to select a PVR file. Press OK button to play the file or enter the folder. Press RECALL button to upon the parental folder.

(b) Press red button to switch preview playing and full screen playing.
(c) Press yellow button to delete one or several recording files.
(d) Press green button to rename a recording file.



Note:
-We cannot guarantee compatibility (operation and/or bus power) with all USB mass storage devices and assume no responsibility for any loss of data that may occur when connected to this unit.
-With large amounts of data, it may take longer for the system to read the contents of a USB device.
-Some USB devices may not be properly recognized
-Even when they are in a supported format, some files may not play or display depending on the content.

Technical Specifications

MPEG Transport Stream A/V Decoding

Transport Stream	MPEG-4 AVC/H.264 MPEG-2 ISO/IEC13818 Transport stream Specification
Profile Level	MPEG-4 AVC/H.264 HP@L4 MPEG-2 MP@ML.HL
Aspect Ratio	4:3 16:9
Video Resolution	1080I, 720P, 576P, 576I
Audio Decoding	MPEG/MusiCam Layer 1&11
Audio Mode	Single Channel/Dual Channel Joint stereo/Stereo
Sampling Rate	32, 44.1 and 48KHz

Power Supply

Input Voltage	100 to 240 VAC, 50Hz/60Hz
Type	SMPS
Power Consumption	Max . 15W
Standby Power	<1W

Tuner & Channel

Input Connector	F-Type , IEC 169-24, Female
Frequency Range	48MHz—862MHz
Input impedance	75 unbalanced
Signal Level	-76 to -35dBm
Demodulation	QAM16、QAM32、QAM64、QAM128、QAM256

A/V & Data In/Out

TV_SCART	Video Output (CVBS, RGB) Audio Output
S/PDIF	Coaxial type
HDMI	1080I，720P，576P，576I

Physical Specification

Size (W x H x D)	240 x 180 x 42mm (Receiver)
Weight(net)	About 0.94kg

Memory

Flash Memory	4Mbyte
SDRAM	128Mbyte

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CE

Electric and electronic equipment and included batteries contains materials, components and substances that can be hazardous to your health and the environment, if the waste material (discarded electric and electronic equipment and batteries) is not handled correctly.

Electric and electronic equipment and batteries is marked with the crossed out trash can symbol, seen below. This symbol signifies that electric and electronic equipment and batteries should not be disposed of with other household waste, but should be disposed of separately.

As the end user it is important that you submit your used batteries to the approriate and designated facility. In this manner you make sure that the batteries are recycled in accordance with legislature and will not harm the environment.

All cities have established collection points, where electric and electronic equipment and batteries can either be submitted free of charge at recycling stations and other collection sites, or be collected from the households. Additional information is available at the technical department of your city.

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